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## RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.

Application Serial Number: 10/519,821  
Source: PET  
Date Processed by STIC: 1-17-06

# ***ENTERED***



PCT

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DATE: 01/17/2006

PATENT APPLICATION: US/10/519,821

TIME: 12:45:21

Input Set : A:\as.filed.ST25.txt

Output Set: N:\CRF4\01172006\J519821.raw

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3 <110> APPLICANT: Daniell, Henry
5 <120> TITLE OF INVENTION: Plastid Genetic Engineering Via Somatic Embryogenesis
7 <130> FILE REFERENCE: CHL-T107C2Z2
9 <140> CURRENT APPLICATION NUMBER: US 10/519,821
10 <141> CURRENT FILING DATE: 2004-12-30
12 <150> PRIOR APPLICATION NUMBER: PCT/US2003/021157
13 <151> PRIOR FILING DATE: 2003-07-03
15 <160> NUMBER OF SEQ ID NOS: 3
17 <170> SOFTWARE: PatentIn version 3.2
19 <210> SEQ ID NO: 1
20 <211> LENGTH: 2800
21 <212> TYPE: DNA
22 <213> ORGANISM: Artificial Sequence
24 <220> FEATURE:
25 <223> OTHER INFORMATION: aadA/BADH expression cassette
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32 gctcgtggga ttgacgtgag ggggcaggga tggctatatt tctgggagcg aactccgggc      180
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36 ttgtctaccc gatacaagtg agttgtaggg aggcaaccat ggcagaagcg gtgatcgccg      300
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42 ttgatttgct ggttacggtg acggtgaccg taaggcttga tgaacaacg cggcgagctt      480
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48 aactgcaatt tggagaatgg cagcgcaatg acattcttgc aggtatcttc gagccagcca      660
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52 taggtccagc ggcggaggaa ctctttgatc cggttcctga acaggatcta tttgaggcgc      780
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86 tgccggacaa gcagaagctc ttgatggtaa acaaaaggct ccagtcaccc tgcctatgga 1800
88 aaggttcaaa agtcatgttc tcaggcagcc ccttggtgtt gttggattaa tatccccatg 1860
90 gaattaccca cttctaattg ctacatggaa aattgctcca gcacttgctg ctgggtgtac 1920
92 agctgtactt aagccatccg agttggcatc tgtgacttgt ctagaattcg gtgaagtttg 1980
94 caacgaagtg ggacttcctc caggcgtgtt gaatatcttg acaggattag gtccagatgc 2040
96 tgggtgacca ttagtatcac accccgatgt tgacaagatt gcctttactg ggagtagtgc 2100
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118 agttggagct gtttgggtta attgctcaca accatgcttt gttcaagctc cttggggagg 2760
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138 gaagcgcatg gatacaagtt atgccttgga atgaaagaca attccgaatc cgctttgtct 240
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142 atacccatgt ccatgagtaa aggagaagaa cttttcactg gaggttgtcc aattcttgtt 360
144 gaattagatg gtgatgttaa tgggcacaaa ttttctgtca gtggagaggg tgaaggatgat 420
146 gcaacatacg gaaaacttac ccttaaattt atttgacta ctggaaaact acctgttcca 480
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154 gacaccctcg tcaacaggat cgagcttaag ggaatcgatt tcaaggagga cggaaacatc 720
156 ctcgccaca agttggaata caactacaac tcccacaacg tatacatcac ggcagacaaa 780
158 caaaagaatg gaatcaaagc taacttcaaa attagacaca acattgaaga tggagcgtt 840
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164 cacatggtcc ttcttgagtt tgtaacagct gctgggatta cacatggcat ggaatgaacta 1020
166 tacaataaat ctagaagacc gaattctgca gatcgaaacac ggaattcaat ggaagcaatg 1080
168 ataaaaaaat acaaatagaa aaggaaaggg aggaaataca aaaaaataga agagaaaagt 1140
170 catacaaagt tatatacaaa tgactacccc cctttttgta tttccttaat ttatttctct 1200
172 aattgaattt cgatggatac aagttatgcc ttggaatgaa tttcggttga ttaggactag 1260
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180 tagtgtgctt gggagtcctt gatgattaaa taaaccaaga ttttccatgg cgttcccaat 1500
182 tcctgctcgt cagctattca tcgacggaga gtggagagaa cccattaaaa aaaatcgata 1560
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194 gatggtaaac aaaaggtctc agtcaccctg cctatggaaa ggttcaaaag tcatgttctc 1920
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230 atttctgatg aaccatgggg atggtacaag tctccttgaa agccgaattc cagcacactg 3000
232 ggggcccgtt ctagtggatc cactagtaac ggccgccagt gtgctggaat tcggctttct 3060
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260 aacttttttt cttaagcgat cttagcattt atatacagag accacataca gtgtctctcg 480
262 tgaagcgaaa atgttgagtt ggtctcttga gaaattaaag gtgctgaac tcatcatgac 540
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274	tg	ttgaagaa	agattg	gttt	tttctcat	gg	cgatata	cacg gatagtaata	900
276	taaatt	caat	gaaatt	tatt	ttttagat	ct	tggtcgtg	ct ggg	960
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280	at	tttttaa	ag	cattt	aaaaa	atgatag	acc	tgacaaa	1080
282	tgaatt	gaat	tgatt	ccaag	cattat	ctaa	aatact	ccta	1140
284	tcaat	ggaag	caat	gataaa	aaaata	caaaa	tagaaa	agga	1200
286	ataga	agaga	aaagt	catac	aaagt	tatat	acaaat	gact	1260
288	tt	at	tttatt	tcctta	attg	aatttc	gatg	at	1320
290	gtt	gattag	g	actagat	cgt	cgacg	tagag	aagtcc	1380
292	aaa	at	ttgaa	tagat	ctaca	tacac	cttgg	ttgacac	1440
294	gtt	gaataaa	aagc	cttcca	tttt	ctattt	tgattt	gtag	1500
296	tcc	ctgat	ga	ttaa	ataaac	caagat	tttc	atatgat	1560
298	gtt	ctcc	ggc	cgctt	gggtg	gagagg	ctat	tcggctat	1620
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304	tgg	ccacg	ac	ggg	cg	ttcct	tg	cgagctg	1800
306	act	ggctg	ct	att	ggg	cgaa	gtg	ccggggc	1860
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312	ccg	gtctt	gt	cgat	caggat	gatct	ggacg	aagag	2040
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320	aag	agctt	gg	cg	gcaat	gg	ctgacc	gct	2280
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